



HP and Crossflo

Business-critical technologies for life-critical information
Designed for interagency and cross-domain data sharing



HP Integrity NonStop servers – medical decisions don't stop if your system isn't available

Health happens 24x7

The ability to share data quickly, reliably, and securely among public and private entities—data from a variety of sources and in multiple formats—has become increasingly critical in the world today. Data sharing is an emerging market opportunity in many areas, including public and private health, national defense, homeland security, justice, and public safety.

Worldwide, healthcare data sharing clearly represents an existing challenge. Many technologies have attempted to address this vast challenge. How do you facilitate an interoperable information infrastructure that enables public and private healthcare entities—many of which utilize proprietary technologies—to successfully share data among hundreds or thousands of disparate systems? And if that were possible, how would the “owners” of the data retain control?

The need for a technology that is agnostic to data sources and the many data-sharing standards that can bridge these gaps is paramount. Data sharing is only part of the challenge.

Harmonizing data standards

Compliance to fully embrace all relevant data sharing and technology standards is the other part of the challenge. Any successful solution must leverage technology standards such as XML (Extensible Markup Language), SOA (Service Oriented Architecture), and Web Services, as well as leading data-sharing standards like: Health Level 7 (HL7), Global Justice XML Data Model (GJXDM), National Information Exchange Model (NIEM), Emergency Data eXchange Language (EDXL), Common Alerting Protocol (CAP) and National Council for Prescription Drug Program (NCPDP).

These data-sharing standards are complex, and implementing them requires considerable expertise. So, important solution elements are providing domain expertise and the ability to automate the use of existing as well as future data-sharing standards to make compliance with them virtually effortless for the end user, today and tomorrow.



What if you could...

- Provide secure, public and private sector data sharing across institutions and between agencies—and retain control of your data?
- Make no changes to existing systems—and deploy rapidly and easily using your present IT staff?
- Support standards that bridge the data gaps—and ensure extensibility and scalability without re-architecting?

Data sharing—rapid, easy and affordable

Solutions based on Crossflo DataExchange (CDX), are invisible to the end user, which is an absolute requirement in order to implement quickly in healthcare. The days of high-cost, multi-year engagements are over. Today, the Crossflo model for a successful implementation starts with the users, who do not need to be retrained, and then builds from there. The only difference from the user's normal way of operating is the visibility they have into data that CDX now shares. They use the same systems to which they're accustomed. CDX normalizes the data, regardless of its form or structure, into the data form that a user's application can read.

Because "health happens 24x7", Crossflo is excited about making its software available on the HP Integrity NonStop server for the same reason that leading banks, stock exchanges, and telcos have chosen this technology for the past 30 years—it offers the bulletproof fault tolerance, reliability and scalability that its customers require. And now, there's something else: affordability. HIEs (Health Information Exchanges), clinics, hospitals, and public health agencies now have access to a level of functionality that previously was simply unattainable for less than the largest entities.

HP Integrity NonStop platform

CDX on the Integrity NonStop NS1200 server is the affordable infrastructure foundation that enables Hospital Information Exchanges to start providing better and more efficient healthcare very quickly.

Combined with the HP Integrity NonStop server, Crossflo CDX is a world-class, standards-based software and scalable hardware package that is integrated by HP for "out-of-the-box" simplicity.

The fault tolerance of the HP Integrity NonStop server removes the complexity of delivering the most demanding service levels, while maintaining continuous availability for unmatched reliability. The Integrity NonStop platform supports near linear scalability and petabytes of data, so that healthcare providers need not worry about outgrowing their solution. In addition it has been proven to deliver the lowest total cost of ownership (TCO).

Why choose Crossflo and HP?

Three reasons: Crossflo is about sharing data, not about reinventing where you have invested already. Crossflo delivers simplicity by providing maximum interoperability across your existing assets by harmonizing national data-sharing standards. Secondly, Crossflo delivers cost savings through its ease of rapid deployment, which minimizes initial costs and increases extensibility... and longevity. Finally, Crossflo adapts as you do. When things change—and they always do—Crossflo delivers information agility, not agony.

HP Integrity NonStop servers not only provide a lower-cost fault tolerant server platform to run your Crossflo environment, but also offer you a future-proof platform that is engineered to do more and last longer by design.

Integrity NonStop delivers reliability that is second to none, which drives its 24x7 availability and lowest TCO. From a healthcare business point of view, that is a direct line to increased profits.

With uptime measured in years and scalability to meet your needs in real time, HP Integrity NonStop servers are the deployment choice for Crossflo CDX3.

Combined with the Integrity NonStop server, this solution makes it possible to do a significantly better job of protecting the health of a country. It defines what healthcare informatics is all about.

Technology for better business outcomes

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